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Beauchamp et al.

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- [54] **CONTROLLABLE CAMBER FIN**
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- [52] **U.S. Cl.** **114/140; 244/219**
- [58] **Field of Search** **114/140, 127, 103, 162;**
244/219

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[57] **ABSTRACT**

In a fluid such as water the direction of a vessel is controlled by a fin having at least one fixed chordwise segment and at least one cantilever mounted movable segment secured to the fixed segment by a backbone or spine spring at the neutral axis, and by differently tensioned control wires that are used to achieve camber variations under the influence of the vessel's control system. An elastomeric skin is supported on stiffeners to maintain the general fin cross section during such camber changes.

8 Claims, 2 Drawing Sheets

